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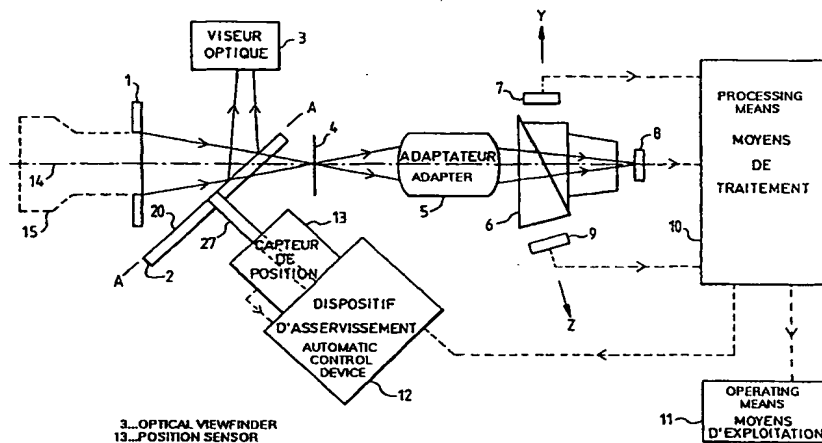
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(54) Title: VIDEO CAMERA

(54) Titre: CAMERA CINEVIDEO

(57) Abstract

The invention concerns the field of cameras, more particularly a camera with an optical axis (14) and comprising successively: a camera lens support (1) for receiving a lens (15); a reflective shutter (2) allowing light through in open position towards a lens focal plane (4) and directing light in closed position towards an optical viewfinder (3); the lens focal plane (4) common to all the light components of the light derived from the observed scene; an adapter (5) producing adaptation between the lens focal plane (4) and the focal planes of the sensors (7 to 9); a spectral resolver (6) for separating the light into three light components; three sensors (7 to 9) with photoelectric effect, each light component being focused on a different sensor, the optical paths between the spectral resolver (6) input and the sensors (7 to 9) being different for the three light components; the camera further includes: electronic means (10) for processing data derived from the sensors (7 to 9); an optical viewfinder (3), outside the field of the sensors (7 to 9), located outside the optical axis (14).



ABSTRACT

VIDEO/FILM CAMERA

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The invention relates to the field of cameras.

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This is a camera having an optical axis (14) and comprising successively: an objective support (1) designed to receive an objective (15); a reflecting shutter (2) letting light pass through, in its open position, towards an objective focal plane (4) and orienting the light, in its closed position, towards a viewfinder (3); the objective focal plane (4) being common to all the light components of the light coming from the observed scene; an adapter (5) matching the objective focal plane (4) with the focal planes of the sensors (7 to 9); a spectral splitter (6) of light into three light components; three photoelectric-effect sensors (7-9), each light component being focused on a different sensor, the optical paths between the input of the spectral splitter (6) and the sensors (7 to 9) being different for the three light components; the camera also comprises: electronic means (10) for the processing of the information coming from the sensors (7 to 9); an optical viewfinder (3), outside the field of the sensors (7 to 9), located off the optical axis (14).

Fig. 1.

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